

IN THE CLAIMS

1 Claim 1 (Previously Presented) A method of providing a prosthetic socket for a residual limb that extends distally from a joint, comprising the steps of:

 positioning the residual limb in an approximately ninety degree or greater flexion position;

5 applying moldable means over at least a portion of the residual limb and joint;

 permitting said moldable means to cure and form a negative mold of at least a portion of the residual limb and joint; and

 removing said mold from the residual limb and joint.

10 Claim 2 (Original) The method of claim 1 further comprising the step of shaping said mold so that a desired range of motion in the joint is permitted when said mold is repositioned on the residual limb.

15 Claim 3 (Original) The method of claim 2 further comprising the step of forming a positive model of the residual limb using said mold.

 Claim 4 (Original) The method of claim 3 further comprising the step of constructing the socket over the positive model of the residual limb.

20 Claim 5 (Original) The method of claim 4 further comprising the step of reducing and building up the positive model of the residual limb prior to the step of constructing the socket.

 Claim 6 (Original) The method of claim 2 further comprising the step of repositioning said mold onto the residual limb after the step of shaping said mold.

1 Claim 7 (Original) The method of claim 6 further comprising the step of making a
cast of the residual limb that incorporates said mold.

Claim 8 (Original) The method of claim 7 further comprising the step of forming a
positive model of the residual limb using said cast.

5 Claim 9 (Original) The method of claim 8 further comprising the step of
constructing the socket over the positive model of the residual limb.

Claim 10 (Original) The method of claim 9 further comprising the step of reducing
and building up the positive model of the residual limb prior to the step of constructing
the socket.

10 Claim 11 (Original) The method of claim 1 further comprising the step of fitting a
liner onto the residual limb and joint prior to the step of applying said moldable means
over the residual limb and joint.

15 Claim 12 (Original) The method of claim 11 wherein said liner is comprised of
silicone.

Claim 13 (Original) The method of claim 11 wherein said moldable means is
comprised of a resin-impregnated flexible sock.

20 Claim 14 (Original) The method of claim 13 wherein said sock is comprised of
carbon fibers.

Claim 15 (Original) The method of claim 13 wherein said sock is comprised of a
lofted glass yarn.

25 Claim 16 (Original) The method of claim 13 further comprising the step of
adapting said mold to be coupled to a prosthetic appendage.

Claim 17 (Original) The method of claim 16 further comprising the step of
1 adapting said mold to be operatively coupled to a suspension system.

Claim 18 (Cancelled)

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